

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2213.1004-012	APPLICATION NO. 10/626,115
INFORMATION DISCLOSURE CITATION IN AN APPLICATION November 15, 2004 (Use several sheets if necessary)		FIRST NAMED INVENTOR H. William Harris, Jr.	FILING DATE July 24, 2003
		EXAMINER Not yet assigned	CONFIRMATION NO. 9402
			GROUP 3643

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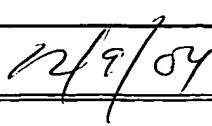
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
YA	AA	5,763,569	06/09/1998	Brown <i>et al.</i>
	AB	5,962,314	10/05/1999	Brown <i>et al.</i>
	AC	5,981,599	11/09/1999	Moe <i>et al.</i>
	AD	5,858,684	01/12/1999	Nemeth <i>et al.</i>
	AE	6,001,884	12/14/1999	Nemeth <i>et al.</i>
	AF	5,351,651	10/04/1994	Ushio <i>et al.</i>
	AG	4,703,008	10/27/1987	Lin
	AH	5,688,938	11/18/1997	Brown <i>et al.</i>
	AI	3,777,709	12/11/1973	Anderson <i>et al.</i>
	AJ	6,016,770	01/25/2000	Fisher
	AK	5,128,153	07/07/1992	Axelrod
YH	AA2	3,406,662	10/22/1968	Vik <i>et al.</i>
	AB2			
	AC2			
	AD2			
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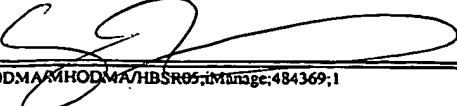
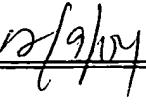
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FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
YA	AL	WO 98/15627	04/16/1998	Univ. of Southampton; Royal Free Hospital School of Medicine	
	AM	WO 97/35977	10/02/1997	Brigham & Womens Hospital	
	AN	EP 0801904 A1	04/17/1997	Rhode Island Education	
	AO	Verified Translation of SU 1784152	12/30/1992	N.M. Knipovich Polar Scientific Research Institute of Fishing and Oceanography	X
WA	AP	WO 00/64274	04/20/1999	Winberg Svante	

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YA	AR	Nearing, J, et al., "Cloning and expression of a homologue of the calcium (Ca2+)/polyvalent cation receptor (CaR) protein that acts as a magnesium (Mg2+) sensor in dogfish shark (<i>Squalus acanthias</i>) kidney." <i>Journal of The American Society of Nephrology</i> , 8: 40A. (From ASN Program and Abstracts, 1997, Abstract No. A0194)(1997).	
	AS	Sands, J. M., et al., "Apical Extracellular Calcium/Polyvalent Cation-Sensing Receptor Regulates Vasopressin-Elicited Water Permeability in Rat Kidney Inner Medullary Collecting Duct," <i>J Clinical Investigation</i> 99(6): 1399-1405 (1997).	
	AT	Ward, D. T., et al., "Disulfide-bonds in the Extracellular Calcium-polyvalent Cation Sensing Receptor Mediate Dimer Formation and its Response to Divalent Cations in Vitro," <i>J. Biol. Chem.</i> 273: 14476-14483 (1998).	
	AU	Riccardi, D., et al., "Cloning and Functional Expression of a Rat Kidney Extracellular Calcium/Polyvalent Cation-Sensing Receptor," <i>Proc. Natl. Acad. Sci. USA</i> 92:131-135 (1995).	
	AV	Zaugg, W.S., et al., "Increased Seawater Survival And Contribution To The Fishery of Chinook Salmon (<i>Oncorhynchus Tshawytscha</i>) By Supplemental Dietary Salt," <i>Aquaculture</i> , 32: 183-188 (1983).	
	AW	Shaw, H.M., et al., "Effect of Dietary Sodium Chloride on Growth of Atlantic Salmon (<i>Salmo salar</i>)," <i>J. Fish. Res. Board Can.</i> , 32(10) 1813-1819 (1975).	
	AX	MacLeod, M.G., "Relationships Between Dietary Sodium Chloride, Food Intake and Food Conversion in the Rainbow Trout," <i>J. Fish Biol.</i> , 13: 73-78 (1978).	
	AY	Stickney, R. R., "Nonconservative Aspects of Water Quality; Conservative Aspects of Water Quality and Physical Aspects of the Culture Environment; and Feed, Nutrition, and Growth. (Chapters 4, 5, 6.) In "Principles of Aquaculture, (John Wiley & Sons, Inc.), pp. 146-351 (1994).	
	AZ	Folmar, Leroy C. and Dickhoff, Walton W., "The Parr-Smolt Transformation (Smoltification) And Seawater Adaptation In Salmonids," <i>Aquaculture</i> , 21: 1-37 (1980).	
	AR2	Williams, S., et al., "A comparison of underyearling growth and smoltification between hatchery reared Maine landlocked Atlantic salmon, <i>Salmo salar</i> , and a commercially available strain of Norwegian <i>Salmo salar</i> ." <i>World Aquaculture Association Book of Abstracts</i> , p. 584(1998).	
YA	AS2	Brown, E.M., et al., "A comparison of the effects of divalent and trivalent cations on parathyroid hormones release," <i>Endocrinol.</i> , 127:1064-1071 (1990).	

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WA	AT2	Ward, P.T. et al., "Disulfide Bonds in the Extracellular Calcium-polyvalent Cation-sensing Receptor Correlate with Dimer Formation and its Response to Divalent Cations in Vitro," <i>Am Soc. Biochem. Mol. Bio.</i> , 272:23; 14478-14483 (1998).	
	AU2	Forsberg, James A., et al., "Survival and Growth of Red Drum <i>Sciaenops ocellatus</i> in Saline Groundwaters of West Texas, USA," <i>Journal of the World Aquaculture Society</i> , 27(4): 462-474 (1996).	
	AV2	Garrett, J.E., et al., "Molecular Cloning and Functional Expression of Human Parathyroid Calcium Receptor cDNAs," <i>The Journal of Biological Chemistry</i> , 270(21):12919-12925 (1995).	
	AW2	Brown, E.M., et al., "Cloning and Characterization of an Extracellular Ca ²⁺ -Sensing Receptor from Bovine Parathyroid," <i>Nature</i> , 366:575-580 (1993).	
	AX2	Grau, E.G., et al., "Lunar phasing of the thyroxin surge preparatory to seaward migration of salmonid fish," <i>Science</i> 211(4482): 607-609 (1981).	
	AY2	Hedemann, L., et al., "The Familial Magnesium-losing Kidney," <i>Acta Med Scand</i> 219(1):133-6 (1986).	
	AZ2	Young, B., et al., "Smoltification and seawater adaptation in coho salmon (<i>Oncorhynchus kisutch</i>): plasma prolactin, growth hormone thyroid hormones and cortisol," <i>Gen. Comp. Endocrinology</i> , 74: 335-345 (1989).	
	AR3	Zaugg, W.S., et al., "Changes in Gill adenosine-triphosphatase activity associated with parr-smolt transformation in stellhead trout, coho and spring chinook salmon," <i>J. Fish. Res. Bd. Can.</i> , 29(2): 167-171 (1972).	
	AS3	Holmes, W. N., et al., "The Body Compartments and the Distribution of Electrolytes," <i>Fish Physiology</i> , 1: 1-88 (1969).	
	AT3	Clarke, W.C., et al., "A seawater challenge test to measure smolting in juvenile salmon." <i>Fisheries and Marine Service Research Dir. Tech. Report</i> 705, Ottawa (1977).	
	AU3	Preston, Gregory M., "Polymerase Chain Reaction with Degenerate Oligonucleotide Primers to Clone Gene Family Members," In <i>Methods in Molecular Biology</i> , Vol. 58: <i>Basic DNA and RNA Protocols</i> , A. Harwood, eds. (NJ: Humana Press Inc.) Chapter 36,pp. 303-312 (1993).	
WA	AV3	Usher, M.L., et al., "Intestinal Water Transport in Juvenile Atlantic Salmon (<i>Salmo Salar L.</i>) During Smolting and Following Transfer to Seawater," <i>Comp. Biochem. Physiol.</i> , 100A(4): 813-818 (1991).	

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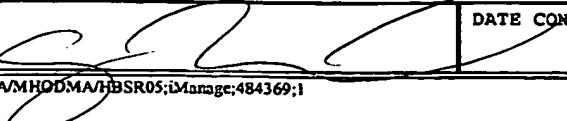
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YA	AW3	Salman, N.A., and Eddy, F.B., "Kidney Function in Response to Salt Feeding in Rainbow Trout (<i>Salmo Gairdneri Richardson</i>)," <i>Comp. Biochem. Physiol.</i> , 89A(4): 535-539 (1988).	
	AX3	Nilssen, K.J., et al., "Summer osmoregulatory capacity of the world's northermost living salmonid," <i>Am. J. Physiol.</i> , 272: R743-R749 (1997).	
	AY3	Siner, J., "Cloning of an Aquaporin Homologue Present in Water Channel Containing Endosomes of Toad Urinary Bladder," <i>Am. J. Physiol.</i> 270:C372-C381 (1996)	
	AZ3	Targovnik, J.H., et al., "Regulation of Parathyroid Hormone Secretion <i>in Vitro</i> : Quantitative Aspects of Calcium and Magnesium Ion Control," <i>Endocrinology</i> 88:1477-1482 (1971)	
	AR4	Taufield, P.A., et al., "Hypocalciuria in Preeclampsia," <i>N Engl J Med</i> 316(12):715-718 (1987)	
	AS4	Yamagami, K., et al., "Molecular and Cellular Basis of Formation, Hardening, and Breakdown of the Egg Envelope in Fish," <i>International Review of Cytology</i> , 136:51-92 (1992)	
	AT4	Spellman, P.T., et al., "Comprehensive Identification of Cell Cycle-regulated Genes of the Yeast <i>Saccharomyces cerevisiae</i> by Microarray Hybridization," <i>Molecular Biology of the Cell</i> , 9: 3273-3297 (1998).	
	AU4	Smith, L.C., "Anatomy and Special Physiology of Salmonids." In <i>Fish Medicine</i> ", M.K. Stoskopf, eds. (WB Saunders), Chapter 31: 321-327 (1993).	
	AV4	Guo, L., et al., "extracellular Ca ²⁺ Increases Cytosolic Free Ca ²⁺ in Freshly Isolated Rat Odontoblasts," <i>J. Bone Miner Res.</i> , 14: 1357-1366 (1999).	
	AW4	Zadunaisky, J.A., et al., "Osmolarity and Cell Volume Changes of Chloride Cells: The Nature of the Rapid Signal for Adaptation to Salinities of <u>Fundulus Heteroclitus</u> ," <i>Bull. MDI Biol. Lab.</i> , 32:152-156 (1992).	
	AX4	Cole, et al., "Isolation and Characterization of Pleurocidin, an Antimicrobial Peptide in the Skin Secretions of Winter Flounder," <i>J. Biol. Chem.</i> 272:12008-12013 (1997).	
YA	AY4	Forster, R. P., et al., "Formation of excretory products," Chapter 5 of <i>Fish Physiology</i> , Academic Press, New York, NY, pages 313-345 (1969).	

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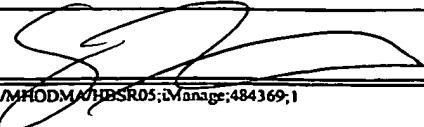
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
YH	AZ4	Elger, E.B. et al., "Adaption of renal function to hypotonic medium in winter flounder," <i>J. Comp. Physio.</i> B157:21-30 (1987).	
	ARS	Bai, M., et al., "Expression and characterization of inactivating and activating mutations in human Ca ²⁺ Sensing Receptor," <i>J. Biol. Chem.</i> , 32:19537-19545 (1996).	
	ASS	Evans, D.H., "Osmotic and Ionic Regulation," Chapter 11 in <i>The Physiology of Fishes</i> , (CRC Press, Boca Raton, FL) pp. 315-341 (1993).	
	ATS	Prunet, P., et al., "Effects of growth hormone on gill chloride cells in juvenile Atlantic salmon (<i>Salmo salar</i>)," <i>Am. J. Physiol.</i> , 266: R850-R857 (1994).	
	AUS	Naito, T. et al. "Putative pheromone receptors related to the Ca ²⁺ -sensing receptor in <i>Fugu</i> ," <i>Proc. Natl. Acad. Sci.</i> , 95:5178-5181 (April 1998).	
	AV5	Hew, C.L., "Antifreeze Protein Gene Transfer in Atlantic Salmon, <i>Molecular Marine Biology and Biotech.</i> , 1(4/5): 309-317 (1992).	
	AWS	Ryba, N.J., et al., "A New Multigene Family of Putative Pheromone Receptors," <i>Neuron</i> , 19(2):371-379 (1997).	
	AX5	Yamaguchi, Toru, et al., "G Protein-Coupled Extracellular Ca ²⁺ (Ca ²⁺ o)-Sensing Receptor (CaR): Roles in Cell Signaling and Control of Diverse Cellular Functions." In <i>Advances in Pharmacology, Hormones and Signaling</i> , Bert w. O'Malley, et al., eds. (Academic Press) 48: 209-253 (2000).	
	AY5	Zaidi, M., et al., "Emerging insights into the role of calcium ions in osteoclast regulation," <i>J. Bone Miner Res.</i> , 14: 669-674 (1999).	
	AZ5	Mykles, Donald L., "Proteolytic Processes Underlying Molt-Induced Claw Muscle Atrophy in Decapod Crustaceans." <i>Amer. Zool.</i> , 39: 541-551 (1999).	
	AR6	Borgatti, A.R., et al., "Gill (NA+K+) ATPase involvement and regulation during salmonid adaptation to salt water," <i>Comp. Biochem. Physiol.</i> 102: 637-643 (1992).	
YH	AS6	Frenkel, Y., et al., "Hypocalciuria of Preeclampsia Is Independent of Parathyroid Hormone Level," <i>Obstetrics & Gynecology</i> , 77(5):689-691 (1991).	

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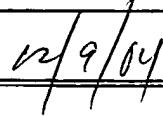
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	AT6	Kawamura, T., and Yamashira, S., "Chemical Sensitivity of Lateral Line Organs in the Goby. <i>Gobus Giurinus</i> ," <i>Comp. Biochem. Physiol.</i> , 72A: 253-257 (1981).	
	AU6	Fauci, A.S., et al., "Cardinal Manifestations and Presentation of Diseases," <i>Principles of Internal Medicine</i> , 14 th Edition:p. 260 (1998).	
	AV6	Stahl, Christopher J., et al., "Optimization of Dissolved Solids for the Intensive Culture of Juvenile Red Drum <i>Sciaenops ocellatus</i> ," <i>Journal Of the World Aquaculture Society</i> , 26(3): 323-326 (1995).	
	AW6	Forsberg, James A., and Neill, William H., "Saline Groundwater As An Aquaculture Medium: Physiological Studies On The Red Drum, <i>Sciaenops ocellatus</i> ," <i>Environmental Biology of Fishes.</i> , 49: 119-128 (1997).	
	AX6	Xu, B., et al., "Osmoregulatory Actions of Growth Hormone In Juvenile Tilapia (<i>Oreochromis niloticus</i>)," <i>Fish Physiology and Biochemistry</i> , 17: 295-301 (1997).	
	AY6	Rydevik, Magnus, et al., "Plasma Growth Hormone Levels Increase During Seawater Exposure of Sexually Mature Atlantic Salmon Parr (<i>Salmo salar L.</i>)," <i>General and Comparative Endocrinology</i> , 80: 9-15 (1990).	
	AZ6	Walton, M. J., et al., "The effects of dietary tryptophan levels on growth and metabolism of rainbow trout (<i>Salmo gairdneri</i>)," <i>The British Journal of Nutrition</i> 51: 279-287 (1984).	
	AR7	Veldhuis, J. D., et al., "Divergent Influences of Calcium Ions on Releasing Factor-Stimulated Anterior Pituitary Hormone Secretion in Normal Man," <i>Journal of Clinical Endocrinology and Metabolism</i> , 59(1): 56-61. (1984).	
	AS7	Gamba, G., et al., "Primary Structure and Functional Expression of a cDNA Encoding the Thiazide-Sensitive, Electroneutral Sodium-Chloride Cotransporter, <i>Proc. Natl. Acad. Sci.</i> 90:2749-2753 (1993)	
	AT7	Gardner, W.D., et al., "Genitourinary System." In <i>Structure of the Human Body</i> , (W.B. Saunders Company) pp. 365-366 (1967).	
	AU7	El-Mowafi, A.F.A., et al., "Magnesium requirement of Atlantic salmon (<i>Salmo salar L.</i>) Parr in seawater-treated fresh water," <i>Aquaculture Nutrition</i> , 4(1) 31-38(1998).	
	AV7	Conigrave, A.D., et al., "L-Amino acid sensing by the extracellular Ca ²⁺ -sensing receptor." <i>Proc Natl Acad Sci</i> , 97(9) 4419-4819 (2000).	

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YA	AW7	Ogino, Chinkichi, and Chiou, Jiing Y., "Mineral Requirements in Fish-II Magnesium Requirement of Carp," <i>Bulletin of the Japanese Society of Scientific Fisheries</i> , 42(1): 71-75 (1976).	
	AX7	Raloff, J., "Downtown Fisheries? Advances May Make Fish Farming a Healthy Prospect, Even For Inner Cities," <i>Science News</i> , 157(20): 314-316 (2000).	
	AY7	Folmar, L.C. et al., "Evaluation of some physiological parameters as predictive indices of smoltification," <i>Aquaculture</i> 23: 309-324 (1981).	
	AZ7	Alberts, B., et al., "Cell Junctions, Cell Adhesion, and the Extracellular Matrix." In <i>Molecular Biology of The Cell</i> , 3 rd . ed., (Garland Publishing), pp. 950-954 (1994).	
	AR8	Baum, M. A., et al., "Recent Insights Into the Coordinate Regulation of Body Water and Divalent mineral Ion Metabolism," <i>The American Journal of the Medical Sciences</i> ., 316(5): 321-328 (1998).	
	AS8	Brown, E. M., et al., "Neomycin Mimics the Effects of High Extracellular Calcium Concentrations on Parathyroid Function in Dispersed Bovine Parathyroid Cells," <i>Endocrinology</i> , 128(6):3047-3054 (1991).	
	AT8	Wendelaar Bonga, S., et al., "The Stress Response in Fish," <i>Physiological Reviews</i> , 77(3): 591-625 (1997).	
	AU8	Elger, B. , et al., "Effect of adrenergic blockade with bretylium and phentolamine on glomerular filtration rate in the rainbow trout, <i>Salmo gairdneri</i> Rich., adapting to saline water," <i>J. Biochem. Physiol.</i> , C. 75: 253-258 (1983).	
	AV8	Chen, T. T., et al., "Transgenic fish," <i>Trends in Biotechnology</i> , 8: 209-215 (1990).	
	AW8	Chattopadhyay, N., et al., "Calcium-sensing receptor in the rat hippocampus: a developmental study," <i>Developmental Brain Research</i> , 100 pp. 13-21 (1997).	
	AX8	Marshall, W.S., "On the involvement of mucous secretion in teleost osmoregulation," <i>Can. J. Zool.</i> , 56: 1088-1091 (1978).	
	AY8	Dabrowska, H., et al., "Magnesium status in freshwater fish, common carp (<i>Cyprinus carpio</i> , L.) And the dietary protein-magnesium interaction," <i>Fish Physiology and Biochemistry</i> , 9(2) 165-172 (1991).	
YA	AZ8	Fuleihan, G. E., et al., "Calcium Modulation of Adrenocorticotropin Levels in Women-A Clinical Research Center Study," <i>The Journal of Clinical Endocrinology & Metabolism</i> , 81(3): 932-936 (1996).	

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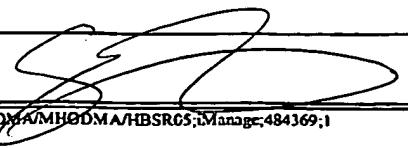
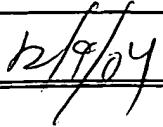
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YA	AR9	Darnell, J., et al., "The Plasma Membrane," Chapter 13 in <i>Molecular Cell Biology</i> , 516-520 (1990).	
	AS9	Davenport, J., "Synopsis of Biological Data on the Lumpsucker," <i>Food and Agriculture Organization of the United Nations</i> , Synopsis No. 147 pp. 1-19 (1985).	
	AT9	Hocking, P.J., "Effects of Sodium and Potassium Chlorides on the Growth and Accumulation of Mineral Ions by <i>Cyperus Involucratus Rottb.</i> " <i>Aquatic Botany</i> , 21: 201-217 (1985).	
	AU9	Howells, G.D., et al., "Effects of Acidity, Calcium, and Aluminium on fish Survival and Productivity-A Review," <i>J. Sci. food Agric.</i> 34: 559-570 (1983).	
	AV9	Köhl, K.I., "The effect of NaCl on growth, dry matter allocation and ion uptake in salt marsh and inland populations of <i>Armeria maritima</i> ," <i>The New Phytologist</i> , 135: 213-225 (1997).	
	AW9	Looby, D., et al., "Immobilization of animal cells in porous carrier culture," <i>Trends in Biotechnology</i> , 8(8): 204-209 (1990).	
	AX9	Lee, Sang-Min, et al., "Influence of P, Ca, Zn, Mg, Fe, K, Mn, or Se in the Dietary Mineral Premix on Growth and Body Composition of Korean Rockfish (<i>Sebastes schlegeli</i>)," <i>J. Korean Fish Society</i> , Abstract in English, 31(2): 245-251 (1998).	
	AY9	Leatherland, J.F., et al., "Effect of Dietary Mirex and PCBs On Calcium and Magnesium Metabolism in Rainbow Trout, ...," <i>Comparative Biochemistry and Physiology</i> , 69C: 345-351 (1981).	
	AZ9	Weatherley, A.H., et al., "Growth." In <i>Physiological Ecology of Pacific Salmon</i> , Groot, C. et al., eds. (UBC Press/Vancouver), pp. 103-158 (1995).	
	AR10	Mount, D.R., et al., "Effect of Long-Term Exposure to Acid, Aluminum, and Low Calcium on Adult Brook Trout (<i>Salvelinus fontinalis</i>). 2. Vitellogenesis and Osmoregulation," <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 45(9):1633-1642 (1988).	
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YA	AT10	Norris, D.O., "Endocrine Regulation of Iono-Osmotic Balance in Teleosts," Chapter 16 in <i>Vertebrate Endocrinology</i> , Lea and Fabiger, eds. (Philadelphia, PA) pp. 425-443 (1985).	

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	AW10	Parry, G., "Size and Osmoregulation in Salmonid Fishes," <i>Nature</i> , 181(4617): 1218-1219 (1958).	
	AX10	Quinn, S. J. , <i>et al.</i> , "The Ca ²⁺ -sensing receptor: a target for polyamines," <i>American Journal of Physiology</i> , 273(4): C1315-C1323 (1997).	
	AY10	Renfro, J. L., <i>et al.</i> , "Water and ion transport by the urinary bladder of the teleost <i>Pseudopleuronectes americanus</i> ," <i>American Journal of Physiology</i> , 228(1): 52-61 (1995).	
	AZ10	Veillette, P.A., <i>et al.</i> , "Cortisol Mediates the Increase in Intestinal Fluid Absorption in Atlantic Salmon During Parr-Smolt Transformation," <i>General and Comparative Endocrinology</i> , 97: 250-258 (1995).	
	AR11	Rogers, K.V., <i>et al.</i> , "Localization of calcium receptor mRNA in the adult rat central nervous system by in situ hybridization," <i>Brain Research</i> , 744(1): 47-56 (1997).	
	AS11	Ruat, M., <i>et al.</i> , "Calcium sensing receptor: Molecular cloning in rat and localization to nerve terminals," <i>Proc. Natl. Acad. Sci.</i> , (92): 3161-3165 (1995).	
	AT11	Anast, C.S., <i>et al.</i> , "Evidence for Parathyroid Failure in Magnesium Deficiency," <i>Science</i> , 177: 606-608 (1972).	
	AU11	Satoh, S., <i>et al.</i> , "Effects on Growth and Mineral Composition of Carp of Deletion of Trace elements or Magnesium from Fish Meal Diet," <i>Bulletin of the Japanese Society of Scientific Fisheries</i> , 49(3): 431-435 (1983).	
	AV11	Shehadeh, Z.H., <i>et al.</i> , "The Role of the Intestine in Salinity Adaptation of the Rainbow Trout, <i>Salmo Gairdneri</i> ," <i>Comp. Biochem. Physiol.</i> , 30: 397-418 (1969.)	
	AW11	Simpson, J.B., <i>et al.</i> , "Subformical organ lesions reduce intravenous angiotensin-induced drinking," <i>Brain Research</i> , 88: 154-161 (1975).	
YA	AX11	Siner, J., <i>et al.</i> , "Cloning of an aquaporin homologue present in water channel containing endosomes of toad urinary bladder," <i>Am. J. Physiol.</i> , 270 (Cell Physiol. 39): C372-C381 (1996).	

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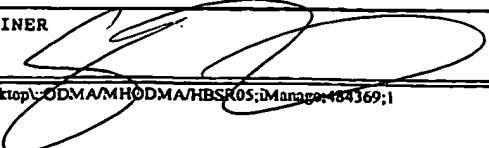
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	AR12	Du, S.J., et al., "Growth Enhancement in Transgenic Atlantic Salmon by the Use of an "All Fish" Chimeric Growth Hormone Gene Construct," <i>Bio/Technology</i> 10:176-181 (1992).	
	AS12	Usher, M.L., et al., "Effects of transfer to seawater on growth and feeding in Atlantic salmon smolts(<i>Salmo salar L.</i>)," <i>Aquaculture</i> , 94: 309-326 (1991).	
	AT12	Lonning, S., et al., "A Comparative Study of Pelagic and Demersal Eggs from Common Marine Fishes in Northern Norway," <i>Sarsia</i> , 73:49-60 (1988)	
	AU12	Norris, D.O., "Endocrine Regulation of Iono-Osmotic Balance in Teleosts," Chapter 16 in <i>Vertebrate Endocrinology</i> , Lea and Fabiger, eds. (Philadelphia, PA) pp. 425-443 (1985)	
	AV12	Ward, D. T., et al., "Disulfide bonds in the Extracellular Calcium-Polyvalent Cation-sensing Receptor Correlate with dimer formation and Its Response to Divalent Cations <i>in Vitro</i> ," <i>The Journal of Biological Chemistry</i> , 275(23): 14476-14483 (1998).	
	AW12	Willoughby, S., "Production Life Cycle." In <i>Manual of Salmonid Farming</i> . Blackwell Science Ltd., eds., (Fishing News Books), pp. 82-122 (1999).	
	AX12	Van Der Velden, J.A., et al., "Growth rate and tissue magnesium concentration in adult freshwater tilapia, <i>Oreochromis mossambicus</i> (Peters), fed diets differing in magnesium content," <i>Journal of Fish Biology</i> , 39: 83-91 (1991).	
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Y	AR13	Renfro, K. J., "Relationship between renal fluid and Mg secretion in a glomerular marine teleost." <i>Am. J. Physiol</i> 238: F92-F98 (1980).	

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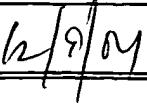
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YB	AS13	Harmin, S. A., et al., "Plasma sex steroid profiles and the seasonal reproductive cycle in male and female winter flounder, <i>Pleuronectes americanus</i> ," <i>Marine Biology</i> 121: 601-610 (1995).	
	AT13	Wendelarr Bonga, S. E. W., et al., "Endocrinology, Chapter 15." In <i>The Physiology of Fishes</i> , DH. Evans, eds., (CRC Press Inc.) pp. 469-534 (1993).	
	AU13	Mayer-Gostan, M., et al., "Mechanisms of hormone actions on gill transport in Vertebrate Endocrinology." In <i>Fundamentals and Medical Implications</i> , PKT Pang, et al., eds., (Academic Press) 2: 211-246 (1987).	
	AV13	Madsen, S.S., "The Role of Cortisol and Growth Hormone in Seawater Adaptation and Development of Hypoosmoregulatory Mechanisms in Sea Trout Parr," <i>Gen. Comp. Endocrinology</i> , 79: 1-23 (1990).	
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	AY13	Wendelaar Bonga, S., et al., "Pituitary hormones, in Vertebrate Endocrinology." In <i>Fundamentals and Biochemical Implications</i> , 3: 105-124 (1989).	
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	AR14	Gatlin, D.M., et al., "Effects of dietary sodium chloride on red drum juveniles in waters of various salinities," <i>The Prog. Fish-Culturist</i> , 54: 220-227 (1992).	
	AS14	Shearer, K.D., "Dietary potassium requirement of juvenile chinook salmon," <i>Aquaculture</i> , 73: 119-129 (1988).	
	AT14	Brown, E.M., et al., "Calcium-Ion-Sensing Cell-Surface Receptors," <i>The New England Journal of Medicine</i> , 333(4):234-240 (1995).	
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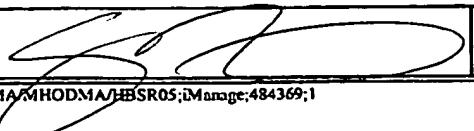
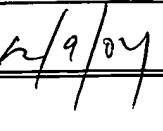
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	AW14	Brown, A.J., et al., "Rat calcium-receptor is regulated by vitamin D but not by calcium," <i>Am. J. Physiol.</i> , 270: F454-F460 (1996).	
	AX14	Olszak, I., et al., "Extracellular calcium elicits a chemokinetic response from monocytes in vitro and in vivo," <i>J. Clin Invest.</i> , 105(9): 1299-1305 (2000).	
	AY14	Plotkin, M.D., et al., "Localization of the Thiazide Sensitive NA-CL Cotransporter (TSC) in the Mammalian Kidney," <i>J. Am. Soc. Nephrol.</i> , 6:349A Abstract no.: 1717(1995)	
	AZ14	Knox, D., et al., "Studies on the nutrition of rainbow trout (<i>Salmo gairdneri</i>)," <i>British Journal of Nutrition</i> , 50: 121-127 (1983).	
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	AT15	Bornefalk, E., et al., "Regulation of interleukin-6 secretion from mononuclear blood cells by extracellular calcium," <i>J. Bone Miner. Res.</i> , 12: 228-233 (1997).	
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	AV15	Chang, W., et al., "Calcium Sensing in Cultured Chondrogenic RCJ3. 1c5.18 Cells," <i>Endocrinology</i> 140: 1911-1919 (1999).	
	AW15	Eklou-Kalonji, E., et al., "Effects of extracellular calcium on the proliferation and differentiation of porcine osteoblasts in vitro," <i>Cell Tissue Res.</i> , 292: 163-171 (1998).	
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YA	AY15	Godwin, S.L., et al., "Extracellular calcium and platelet-derived growth factor promote receptor-mediated chemotaxis in osteoblasts through different signaling pathways," <i>J. Biol. Chem.</i> , 272(17): 11307-11312 (1997).	
	AZ15	Gundberg, C.M., et al., "Acute changes in serum osteocalcin during induced hypocalcemia in humans," <i>J. Clin. Endocrinology Metabolism</i> , 72: 438-443 (1991).	
	AR16	Honda, Y., et al., "Effects of extracellular calcium on insulin-like growth factor II in human bone cells," <i>J. Bone Miner Res.</i> , 10: 1660-1665 (1995).	
	AS16	Jin, H.J., et al., "Fusion of mouse alveolar macrophages induced by 1-alpha, 25-dihydroxyvitamin D3 involves extracellular, but not intracellular, calcium," <i>J. Cell. Physiol.</i> , 142: 434-439 (1990).	
	AT16	Kanatani, M., et al., "Effect of elevated extracellular calcium on the proliferation of osteoblastic MC3T3-E1 cells: its direct and indirect effects via monocytes," <i>Biochem. Biophys. Res. Commun.</i> , 181: 1425-1430 (1991).	
	AU16	Kanatani, M., et al., "High extracellular Calcium Inhibits Osteoclast-like Cell formation by Directly Acting on the Calcium-Sensing Receptor Existing in Osteoclast Precursor Cells," <i>Biochem. Biophys. Res. Commun.</i> , 261: 144-148 (1999).	
	AV16	Lajeunesse, D., et al., "Regulation of osteocalcin secretion by human primary bone cells and by the human osteosarcoma cell line MG-63," <i>Bone Miner</i> , 14: 237-250 (1991).	
	AW16	Malgaroli, A., et al., "Control of cytosolic free calcium in rat and chicken osteoclasts. The role of extracellular calcium and calcitonin," <i>J. Biol. Chem.</i> , 264: 14342-14349 (1989).	
	AX16	Quarles, L.D., "Cation-sensing receptors in bone: A novel paradigm for regulating bone remodeling?," <i>J. Bone Miner. Res.</i> , 12: 1971-1974 (1997)	
	AY16	Sugimoto, T., et al., "Effects of high calcium concentration on the functions and interactions of osteoblastic cells and monocytes and on the formation of osteoclast-like cells," <i>J. Bone Miner Res.</i> , 8: 1445-1452 (1993).	
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AR17	Yamaguchi, T., et al., "Mouse osteoblastic cell line (MC3T3-E1) expresses extracellular calcium (Ca ²⁺)-sensing receptor and its agonists stimulate chemotaxis and proliferation of MC3T3-E1 cells," <i>J Bone Miner Res.</i> , 13: 1530-1538 (1998).		
AS17	Yamaguchi, T., et al., "Extracellular calcium (Ca ²⁺)-sensing receptor in a mouse monocyte-macrophage cell line (J774): Potential mediator of the actions of Ca ²⁺ on the function of J774 cells," <i>J Bone Miner Res.</i> , 13: 1390-1397 (1998).		
AT17	Yamaguchi, T., et al., "Expression of extracellular calcium (Ca ²⁺)-sensing receptor in human peripheral blood monocytes," <i>Biochem. Biophys. Res. Commun.</i> , 246: 501-506 (1998).		
AU17	Roberts, J.M., "Prevention or Early Treatment of Preeclampsia," <i>The New England Journal of Medicine</i> 337:124-125 (1997).		
AV17	Rokaw, M., et al., "Rapamycin(RAP) Stimulates Sodium Transport in A6 Cells Through Inhibition of Protein Kinase C (PKC)," <i>J. Am. Soc. Nephrol</i> 6:349A (1995).		
AW17	Cim, R. R., et al., "Identification and functional assay of an extracellular calcium-sensing receptor in <i>Necturus</i> gastric mucosa," <i>American Journal of Physiology</i> 273: G1051-G1060 (1997).		
AX17	Sands, A.T., et al., "High Susceptibility to Ultraviolet-Induced Carcinogenesis in Mice Lacking XPC," <i>Nature</i> 377:162-165 (1995)		
AY17	Ramos, L.S., et al., "Urinary Calcium As an Early Marker for Preeclampsia," <i>Obstetrics & Gynecology</i> , 77(5):685-688 (1991)		
AZ17	Sakseña, D.N., "Histopathology of the saccus vasculosus of the Indian freshwater goby <i>glossogobius giuris</i> Ham. (Teleostei). <i>Folia Morphol. (Praha)</i> ," 37: 249-252 (1989).		
AR18	Aida, K., et al., "Molecular Cloning of a Putative Ca ²⁺ Sensing Receptor cDNA from Human Kidney," <i>Biochemical and Biophysical Research Communications</i> , 214(2):524-529 (1995).		
AS18	Gatlin, D. M., et al., "Effects of Dietary Sodium Chloride on Red Drum Juveniles in Waters of Various Salinities," <i>The Progressive Fish Culturist</i> , 54:220-227 (1992).		
AT18	Park, G., et al., "The Effects of Residual Salts and Free Amino Acids in Musid Meal on Growth of Juvenile Japanese Flounder <i>Paralichthys olivaceus</i> ," <i>Nippon Suisan Gakkaishi</i> , 66(4): 697-704 (2000). Abstract in English.		

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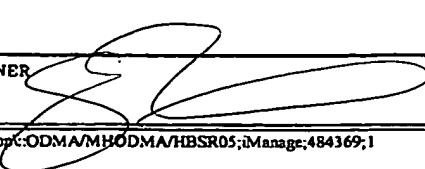
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	AV18	Lindström, E., et al., "Control of gastric acid secretion: the gastrin-ECL cell-parietal cell axis," <i>Comparative Biochemistry and Physiology Part A</i> , 128: 505-514 (2000).	
	AW18	Seidelin, M., and S. S. Madsen, "Endocrine control of Na ⁺ , K ⁺ -ATPase and Choloride Cell Development in Brown Trout (<i>Salmo trutta</i>): Interaction of Insulin-like Growth Factor- α 1 with Prolactin and Growth Hormone," <i>Journal of Endocrinology</i> , 162: 127-135 (1999).	
	AX18	Seidelin, M., et al., "Time-Course Changes in the Expression of Na ⁺ , K ⁺ -ATPase in Gills and pYloric Caeca of Brown Trout (<i>Salmo trutta</i>) during Acclimation to Seawater," <i>Physiological and Biochemical Zoology</i> , 73(4): 446-453 (2000).	
	AY18	Madsen, S. S., and Bern, H.A., "Antagonism of Prolactin and Growth Hormone: Impact on Seawater Adaptation in Two Salmonids, <i>Salmo trutta</i> and <i>Oncorhynchus mykiss</i> ," <i>Zoological Science</i> , 9: 775-784 (1992).	
	AZ18	Olsson, C., et al., "Cholecystokinin Affects Gastric Emptying and Stomach Motility in the Rainbow Trout <i>Oncorhynchus Mykiss</i> ," <i>The Journal of Experimental Biology</i> 202: 161-170 (1999).	
	AR19	Olsson, C., and Holmgren, S., "The Control of Gut Motility," <i>Comparative Biochemistry and Physiology Part A</i> , 128: 481-503 (2001).	
	AS19	McCormick, S. D., "Methods for Nonlethal Gill Biopsy and Measurement of na ⁺ , K ⁺ -ATPase Activity," <i>Can. J. Fish. Aquat. Sci.</i> , 50:656-685 (1993).	
	AT19	Zaugg, W. S., and McLain, L. R., "Inorganic Salt Effects on Growth, Salt Water Adaption, and Gill AtPase of Pacific Salmon." In <i>Fish in Research</i> , Otto W. Neuhaus, et al., eds. (Academic Press), pp. 293-307(1969).	
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YA	AV19	Cheng, S. X., et al., "Expression of calcium-sensing receptor in rat colonic epithelium: evidence for modulation of fluid secretion," <i>Am. J. Physiology Gastrointestinal Liver Physiology</i> , 283: G240-G250 (2002).	

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YH	AW19	Bodznick, D., "An odorant for natural water discriminations and the migratory behavior of sockeye salmon," <i>J. Comparative Physiol. A</i> , 127: 157-166 (1978).	
	AX19	Wenning, A., "Sensing effectors make sense," <i>Trends Neuroscience</i> , 22(12): 550-555 (1999).	
	AY19	Japan Economic Newswire, new "water" allows freshwater, saltwater fish to coexist, Kyoto News Service (Aug. 1994).	
YA	AZ19		

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